

Fig. 2

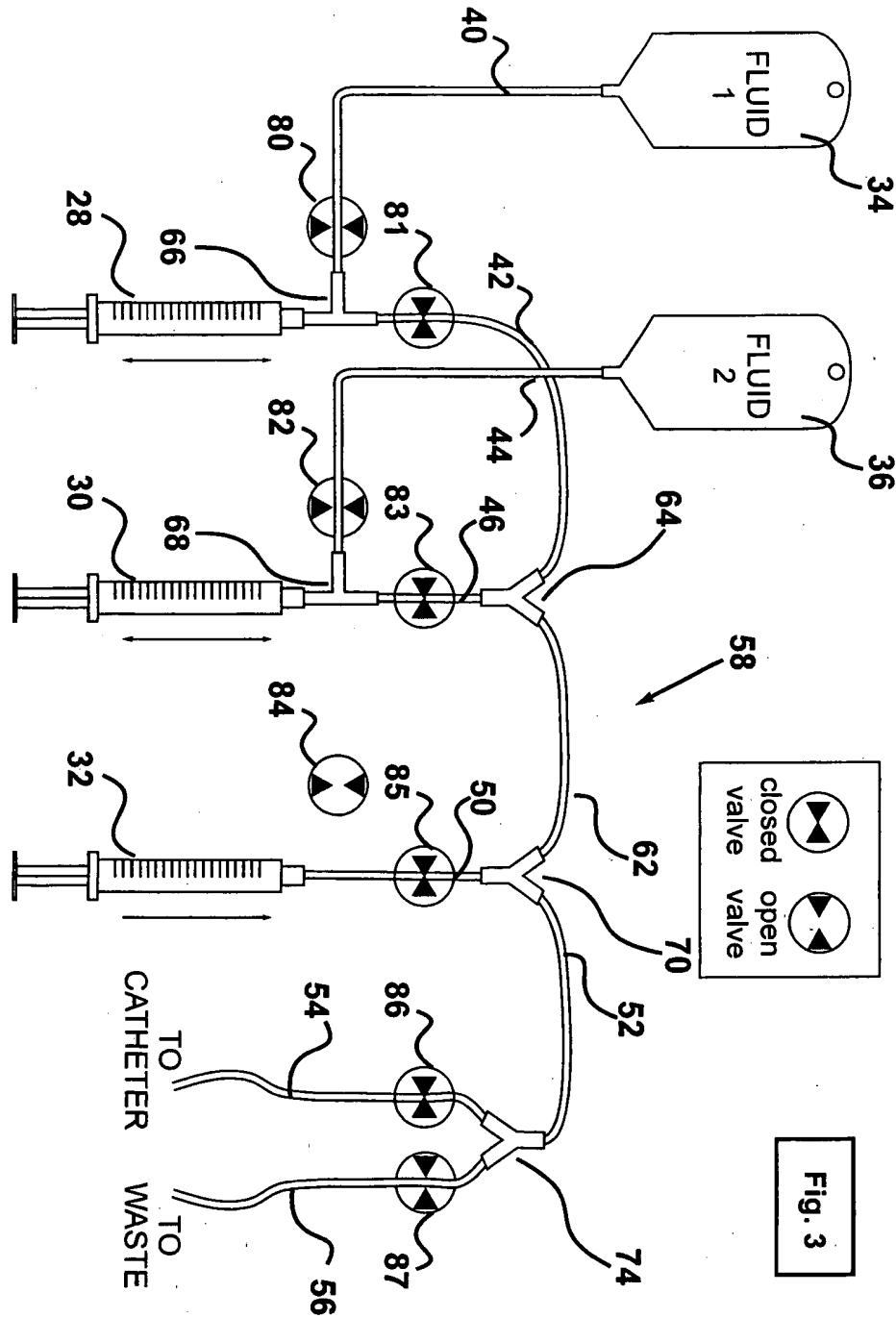


Fig. 3

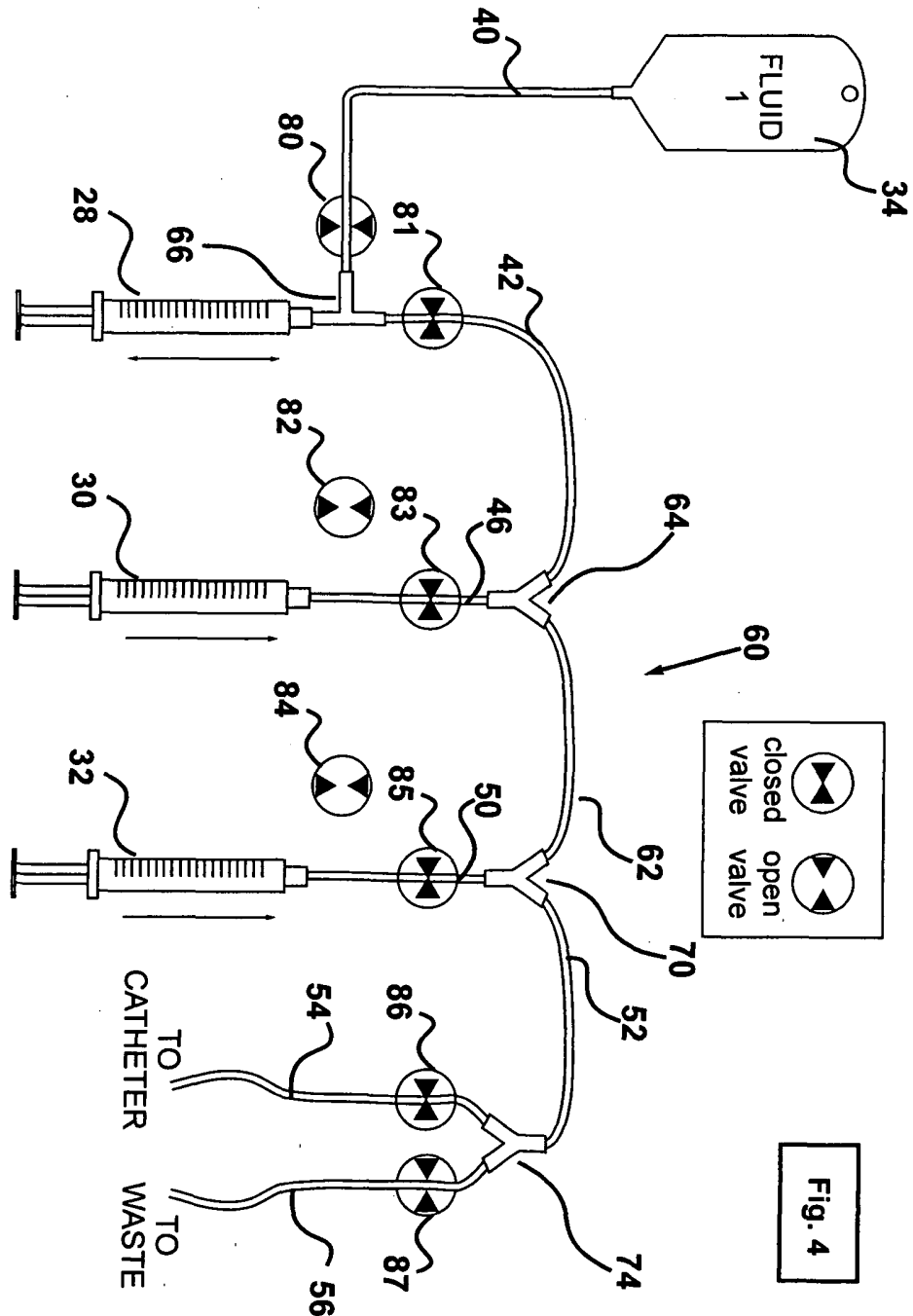




Fig.6

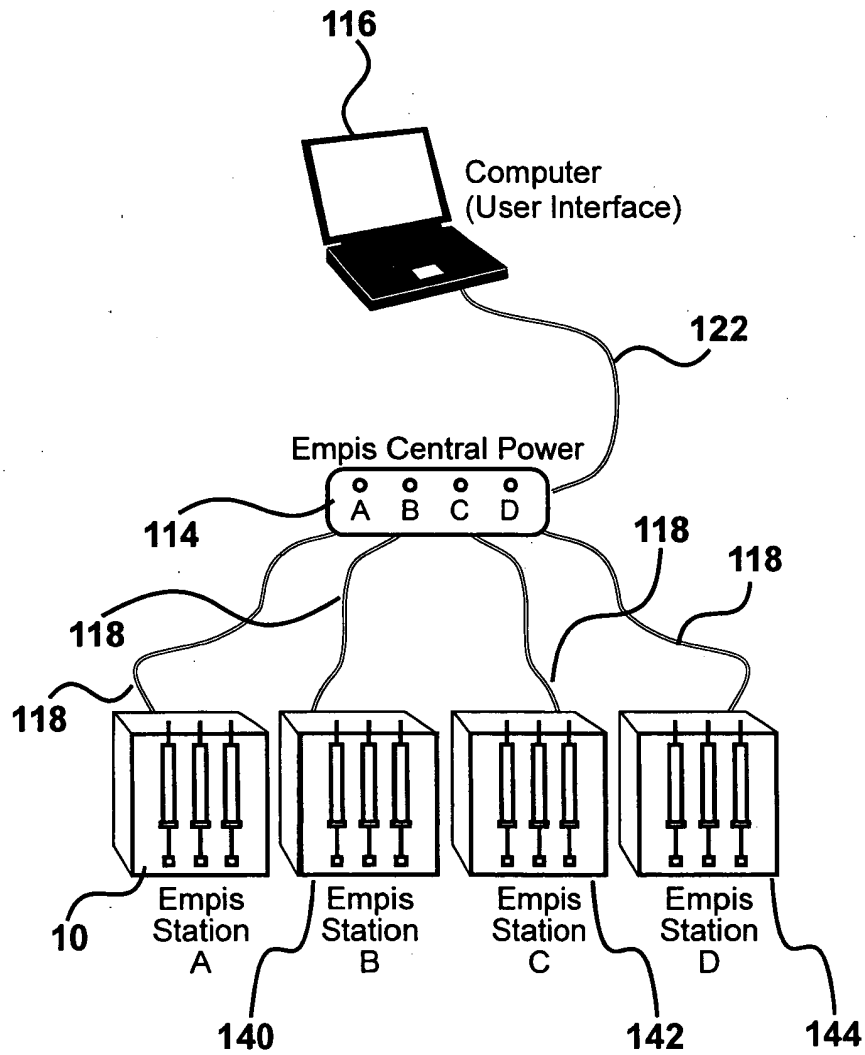
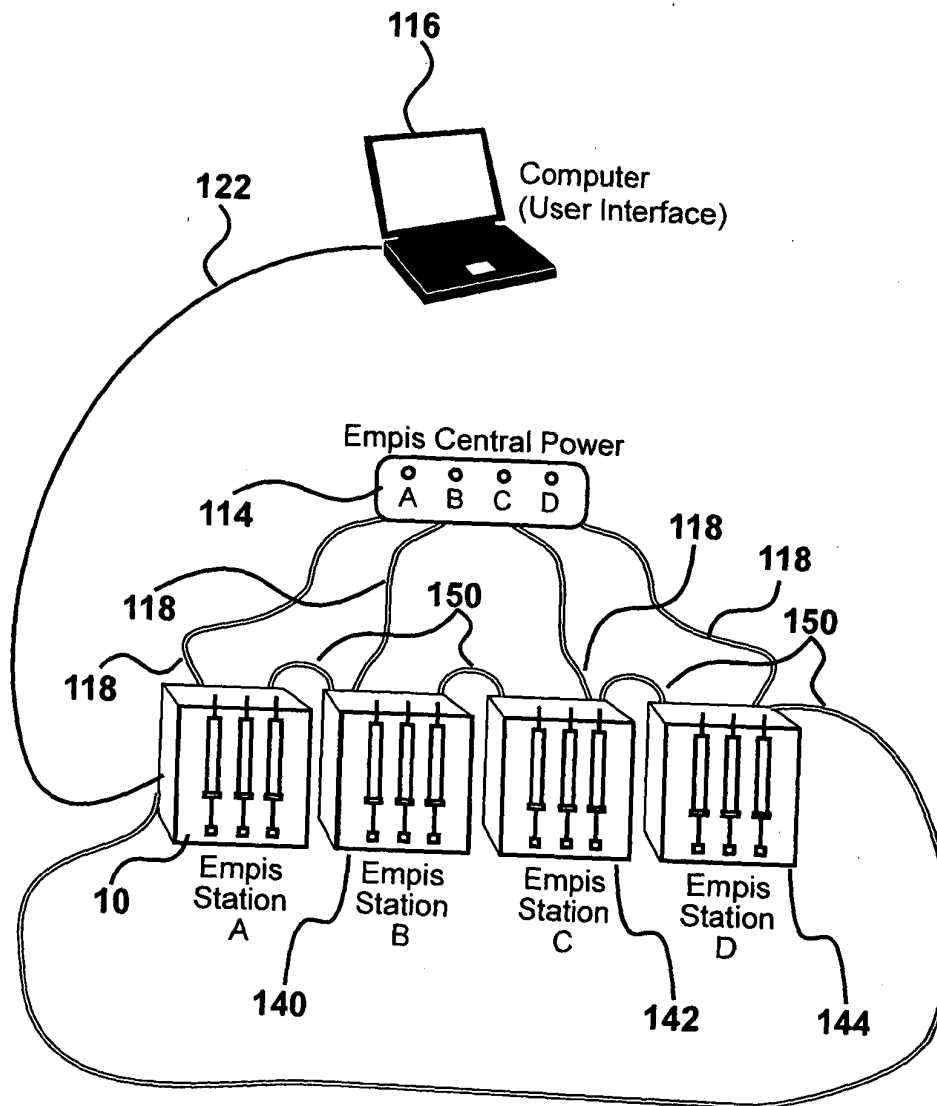


Fig. 7



## FIRST PROCEDURE

Refill syringe 1. Simultaneously check catheter. Then, flush catheter with sterile saline						
Syringe 1	Valve 1	Syringe 2	Valve 2	Syringe 3	Valve 3	Valve 4
PULL	Open to bag 1 (Saline)	STOPPED	Open to bag 2	Pull until blood appears in catheter line	Open to Valve 2 and 4	Open to Catheter
PUSH	Open to SYR 2	STOPPED	Open to bag 2	STOPPED	Open to Valve 2 and 4	Open to Catheter

## SECOND PROCEDURE

Refill syringe 1. Simultaneously check catheter. Flush catheter with sterile saline. Refill syringe 2. Inject syringe 2 and flush with saline.						
PULL	Open to bag 1 (saline)	STOPPED	Open to bag 2	Pull until blood appears in catheter line	Open to Valve 2 and 4	Open to Catheter
PUSH	Open to SYR 2	STOPPED	Open to bag 2	STOPPED	Open to Valve 2 and 4	Open to Catheter
STOPPED	Open to bag 1	PULL	Open to bag 2	STOPPED	Open to bag 3	Open to Catheter
STOPPED	Open to bag 1	PUSH until fluid 2 reaches tee above valve 4, or until total volume of drug delivered	Open to valve 1 and 3	STOPPED	Open to bag 3	Open to Catheter
PUSH	Open to valve 2	STOPPED (if drug delivered)	Open to bag 2	STOPPED	Open to bag 3	Open to Catheter

FIG. 8